

**ABSTRACT OF THE DISCLOSURE**

A radar method of classifying generating or identifying helicopters, by generating a one-dimensional distance profile of the helicopter to be classified or to be identified by measuring the radar each of the helicopter fuselage, the radar echo of the rotor head of the main rotor and/or the radar echo of the main axis, and the radar echo of the rear rotor axis; determines the aspect angles in the azimuth and elevation directions relative to the axis of the radar antenna and the method also determines helicopter parameters from the measured radar echoes. The determined helicopter parameters are and compared with stored helicopter parameters for different helicopter types.